		Flight-Testing New	ton's Laws
		2005 Scien	се
		Content Stand	dards
Hawaii Science			
Grades 9-12 (Physi			
Activity/Lesson	State	Standards	
		SCI.9-	Apply the laws of motion to determine the
Session-10 (1-5)	HI	12.SC.PS.7.1	effects of forces on the linear motion of objects
			Explain the relationship among the gravitational
		SCI.9-	force, the mass of the objects, and the distance
Session-10 (1-5)	HI	12.SC.PS.7.3	between objects
		SCI.9-	Apply the laws of motion to determine the
Session-1 (1-17)	HI	12.SC.PS.7.1	effects of forces on the linear motion of objects
		SCI.9-	Apply the laws of motion to determine the
Session-2 (1-10)	н	12.SC.PS.7.1	effects of forces on the linear motion of objects
00331011-2 (1-10)		12.00.1 0.7.1	Explain the relationship among the gravitational
		SCI.9-	force, the mass of the objects, and the distance
Session-2 (1-10)	н	12.SC.PS.7.3	between objects
36331011-2 (1-10)	111	SCI.9-	Apply the laws of motion to determine the
Session-3 (1-6)	н	12.SC.PS.7.1	effects of forces on the linear motion of objects
	П	SCI.9-	
Session-5 (1-6)			Apply the laws of motion to determine the
	HI	12.SC.PS.7.1	effects of forces on the linear motion of objects
		SCI.9-	Apply the laws of motion to determine the
Session-6 ( 1-8)	HI	12.SC.PS.7.1	effects of forces on the linear motion of objects
		SCI.9-	Apply the laws of motion to determine the
Session-7 (1-5)	HI	12.SC.PS.7.1	effects of forces on the linear motion of objects
			Explain the relationship among the gravitational
		SCI.9-	force, the mass of the objects, and the distance
Session-7 (1-5)	HI	12.SC.PS.7.3	between objects
		SCI.9-	Apply the laws of motion to determine the
Session-8 (1-9)	HI	12.SC.PS.7.1	effects of forces on the linear motion of objects
		SCI.9-	Apply the laws of motion to determine the
Session-9 (1-7)	HI	12.SC.PS.7.1	effects of forces on the linear motion of objects
		Flight-Testing New	ton's Laws
		2005 Scien	ce
		Content Stand	dards
Hawaii Science			
Grades 9-12 (Physi	ics)		
Activity/Lesson	State	Standards	
			Analyze motion in terms of position, time,
		SCI.9-	velocity and acceleration, both quantitatively and
Session-10 (1-5)	н	12.SC.PH.4.4	qualitatively
2300.0.1 10 (1 0)		.2.55.111.4.4	Use Newton's Laws (e.g., F = ma) together with
		SCI.9-	the kinematic equations to predict the motion of
Session 10 (1.5)	н	12.SC.PH.4.6	an object
Session-10 (1-5)		12.30.51.4.0	
		0010	Analyze motion in terms of position, time,
0		SCI.9-	velocity and acceleration, both quantitatively and
Session-1 (1-17)	HI	12.SC.PH.4.4	qualitatively
			Use Newton's Laws (e.g., F = ma) together with
		SCI.9-	the kinematic equations to predict the motion of
Session-1 (1-17)	HI	12.SC.PH.4.6	an object

			Use Newton's Laws (e.g., F = ma) together with
		SCI.9-	the kinematic equations to predict the motion of
Session-2 (1-10)	HI	12.SC.PH.4.6	an object
			Analyze motion in terms of position, time,
		SCI.9-	velocity and acceleration, both quantitatively and
Session-3 (1-6)	HI	12.SC.PH.4.4	qualitatively
			Use Newton's Laws (e.g., F = ma) together with
		SCI.9-	the kinematic equations to predict the motion of
Session-3 (1-6)	HI	12.SC.PH.4.6	an object
			Analyze motion in terms of position, time,
		SCI.9-	velocity and acceleration, both quantitatively and
Session-5 (1-6)	HI	12.SC.PH.4.4	qualitatively
			Use Newton's Laws (e.g., F = ma) together with
		SCI.9-	the kinematic equations to predict the motion of
Session-5 (1-6)	HI	12.SC.PH.4.6	an object
			Analyze motion in terms of position, time,
		SCI.9-	velocity and acceleration, both quantitatively and
Session-6 ( 1-8)	HI	12.SC.PH.4.4	qualitatively
			Analyze motion in terms of position, time,
		SCI.9-	velocity and acceleration, both quantitatively and
Session-7 (1-5)	HI	12.SC.PH.4.4	qualitatively
			Use Newton's Laws (e.g., F = ma) together with
		SCI.9-	the kinematic equations to predict the motion of
Session-7 (1-5)	HI	12.SC.PH.4.6	an object
, ,			Analyze motion in terms of position, time,
		SCI.9-	velocity and acceleration, both quantitatively and
Session-8 (1-9)	HI	12.SC.PH.4.4	qualitatively
,			Use Newton's Laws (e.g., F = ma) together with
		SCI.9-	the kinematic equations to predict the motion of
Session-8 (1-9)	HI	12.SC.PH.4.6	an object
			Analyze motion in terms of position, time,
		SCI.9-	velocity and acceleration, both quantitatively and
Session-9 (1-7)	ні	12.SC.PH.4.4	qualitatively
, ,			Use Newton's Laws (e.g., F = ma) together with
		SCI.9-	the kinematic equations to predict the motion of
Session-9 (1-7)	н	12.SC.PH.4.6	an object